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ARX	- 1	5,552,527	09/03/1996	Godiard et al.	/	_	
\	2	5,550,228	08/27/1996	Godiard et al.		1	
	3	5,523,311	06/04/1996	Schurter et al.		_	
	4	5,494,684	02/27/1996	Cohen	j		
	5	5,348,743	09/20/1994	Ryals et al.	)		
	6	5,260,271	11/09/1993	Blackburn et al.			
	7	5,244,658	09/14/1993	Parke			
	8	5,243,038	09/07/1993	Ferrari et al.		_	٠ ــــــ
	9	5,217,950	06/08/1993	Blackburn et al.	_		
ARX	10	5,173,403	12/22/1992	Tang			

#### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI ON IF APPRO- PRIATE
AOY	11	WO 95/19443	07/20/95	PCT			- 1
71	12	WO 94/01546	01/20/94	PCT			_
Aw	_13	WO 94/26782	11/24/94	PCT			

		14	Collmer et al., "Erwinia chyrsanthemi and Pseudomonas syringae: Plant Pathogens Trafficking in Extracellular Virulence Proteins,"				
15×10	<b>一</b>		pp. 43-78				
1	15 Frederick et al., "The WTS Water-Soaking Genes of Erwinia stewartii are Related to hrp Genes,"		Frederick et al., "The WTS Water-Soaking Genes of Erwinia stewartii are Related to hrp Genes,"				
			Seventh International Symposium on Molecular Plant Microbe Interactions, Abstract No. 191 (June 1994)				
16 Wei et al., "Proteinaceous Elicitors of the Hypersensitive Response from Xanthomonas campestris p		Wei et al., "Proteinaceous Elicitors of the Hypersensitive Response from Xanthomonas campestris pv. glycines,"					
			Seventh International Symposium on Molecular Plant Microbe Interactions, Abstract No. 244 (June 1994)				
		17	Preston et al., "The HrpZ Proteins of Pseudomonas syringae pvs. syringae, glycinea, and tomato are Encoded by an Operon				
			Containing Yersinia ysc Homologs and Elicit the Hypersensitive Response in Tomato but not Soybean,"				
			Mol. Plant-Microbe Interact., 8(5):717-32 (1995)				
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ARK	- 18	5,135,910	08/04/1992	Blackburn et al.	)		
	19	5,061,490	10/29/1991	Paau et al.			
	20	5,057,422	10/15/1991	Bol et al.		-	<i></i>
	21	4,931,581	06/05/1990	Schurter et al.		_	
	22	4,886,825	12/12/1989	Ruess et al.	)		
	23	4,851,223	07/25/1989	Sampson			
	24	4,740,593	04/26/1988	Gonzalez et al.	)		
	25	4,601,842	07/22/1986	Caple et al.			
	26	4,597,972	07/01/1986	Taylor			_
And	27	4,569,841	02/11/1986	Liu			

#### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI ON IF APPRO- PRIATE

# OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	1	0 \0	28	Bauer et al., "Erwinia chrysanthemi hrp Genes and their Involvement in Elicitation of the Hypersensitive Response		
	in Tobacco," Sixth International Symposium on Molecular Plant Microbe Interactions, Abstract No. 146 (July 1992)					
			29	Stryer, L., "Enzymes are Highly Specific," Biochemistry, San Francisco: W.H. Freeman and Company, p. 116 (1975)		
30 Keen et al., "Inhibition of the Hypersensitive Reaction of Soybean Leaves to Incompatible Pseudomonas spp. by		Keen et al., "Inhibition of the Hypersensitive Reaction of Soybean Leaves to Incompatible Pseudomonas spp. by Blasticidin S,				
				Streptomycin or Elevated Temperature," Physiological Plant Pathology, 18:325-37 (1981)		
			31	Lerner, R.A., "Tapping the Immunological Repertoire to Produce Antibodies of Predetermined Specificity," Nature,		
				299:592-96 (1982)		
Δ	~	17	32	Staskawicz et al., "Cloned Avirulence Gene of Pseudomonas Syringae pv. glycinea Determines Race-specific Incompatibility		
N	IK		1	on Glycine max (L.) Merr.," Proc. Narl. Acad Sei. USA, 81:6024-28 (1984)		
EXA	EXAMINER DATE CONSIDERED 4/22/03					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 6 9; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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ŕ	U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO.		SERIAL NO.	
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		-					
1		33	Bauer et al., "Erwinia chrysanthemi Harpingch: An Elicitor of the Hypersensitive Response that Contributes to Soft-Rot				
100	2		Pathogenesis," MPMI, 8(4):484-91 (1995)				
		34	Huang et al., "Characterization of the hrp Cluster from Pseudomonas syringae pv. syringae 61 and TnphoA Tagging of Genes				
			Encoding Exported or Membrane-Spanning Hrp Proteins," Molec. Plant-Microbe Interact., 4(5):469-76 (1991)				
		35	Huang et al., "The Pseudomonas syringae pv. syringae 61 hrpH Product, an Envelope Protein Required for Elicitation of the				
			Hypersensitive Response in Plants," J. Bacteriol., 174(21):6878-85 (1992)				
		36	Bonas, U., "hrp Genes of Phytopathogenic Bacteria," Current Topics in Microbio., 192:79-98 (1994)				
		37	Arlat et al., "PopA1, A Protein Which Induces a Hypersensitivity-Like Response on Specific Protein Petunia Genotypes, is Secreted				
			via the Hrp Pathway of Pseudomonas solanacearum," The EMBO J., 13(3):543-53 (1994)				
		38	Kessmann et al., "Induction of Systemic Acquired Disease Resistance in Plants By Chemicals," Ann. Rev. Phytopathol., 32:439-59				
			(1994)				
		39	Kelman, A., "The Relationship of Pathogenicity in Pseudomonas solanacearum To Colony Appearance on a Tetrazolium Medium,"				
		Phytopathology, 44:693-95 (1954)					
	, i	40	Winstead et al., "Inoculation Techniques For Evaluating Resistance to Pseudomonas solanacearum," Phytopathology,				
			42:628-34 (1952)				
		41	Ahl et al., "Iron Bound-Siderophores, Cyanic Acid, and Antibiotics Involved in Suppression of Thielaviopsis basiocola by a				
	\		Pseudomonas fluorescens Strain," J. Phytopathology, 116:121-34 (1986)				
		42	Anderson et al., "Responses of Bean to Root Colonization with Pseudomonas putida in a Hydroponic System," Phytopathology,				
			75(9):992-95 (1985)				
		43	Gardner et al., "Growth Promotion and Inhibition by Antibiotic-Producing Fluorescent Pseudomonads on Citrus Roots,"				
			Plant and Soil, 77:103-13 (1984)				
		44	Kloepper, J.W., "Effect of Seed Piece Inoculation with Plant Growth-Promoting Rhizobacteria on Populations of Erwinia carotovora				
	/		on Potato Roots and In Daughter Tubers," Phytopathology, 73(2):217-19 (1983)				
		45	Atkinson et al., "The Hypersensitive Reaction of Tobacco to Pseudomonas syringae pv. pisi," Plant Physiol., 79:843-47 (1985)				
		46	Huynh et al., "Bacterial Blight of Soybean: Regulation of a Pathogen Gene Determining Host Cultivar Specificity," Science,				
/			245:1374-77 (1986)				
1	10	47	Kloepper et al., "Plant Growth-Promoting Rhizobacteria on Canola (Rapeseed)," Plant Disease, 72(1):42-6 (1988)				
4	2 6						
EXAMI	NER	//	MARCHARITATION DATE CONSIDERED 4/23/03				
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	(use several sheets if necessary)	FILING DATE	GROUP ART UNIT			
	(PTO-1449)	Herewith	To Be Assigned			

20	<u>k:</u>	_ 48	Kloepper et al., "Pseudomonas Siderophores: A Mechanism Explaining Disease-Suppressive Soils," Current Microbiology,
7 –	!		4:317-20 (1980)
		49	Kloepper et al., "Emergence-Promoting Rhizobacteria: Description and Implications for Agriculture," In:
			Iron, Siderophores, and Plant Disease, Swinborne (ed), Plenum, NY, 155-64 (1986)
[.		50	Kloepper et al., "Relationships of in vitro Antibiosis of Plant Growth-Promoting Rhizobacteria to Plant Growth and the
			Displacement of Root Microflora," Phytopathology, 71(10):1020-24 (1981)
- []	•	51	Kloepper et al., "Effects of Rhizosphere Colonization by Plant Growth-Promoting Rhizobacteria on Potato Plant Development and
			Yield," Phytopathology, 70(11):1078-82 (1980)
}		52	Kloepper et al., "Plant Growth Promotion Mediated by Rhizosphere Bacterial Colonizers," In: The Rhizosphere and Plant Growth, -
			315-32, Keister et al. (eds), pp. 315-26 (1991)
		53	Lifshitz et al., "Growth Promotion of Canola (rapeseed) Seedlings by a Strain of Pseudomonas putida Under Gnotobiotic Conditions,"
			Conditions," <u>Microbiol.</u> 33:390-95 (1987)
1		54	Liu et al., "Induction of Systemic Resistance in Cucumber Against Bacterial Angular Leaf Spot by Plant Growth-Promoting
			Rhizobacteria," Phytopathology, 85(8):843-47 (1995)
- 11		55	Loper et al., "Influence of Bacterial Sources of Indole-3-acetic Acid on Root Elongation of Sugar Beet,"
			<u>Phytopathology</u> , 76(4):386-89 (1986)
		56	Schroth et al., "Disease-Suppressive Soil and Root-Colonizing Bacteria," Science, 216:1376-81 (1982)
$\Box$			
- []		57	Stutz et al., "Naturally Occurring Fluorescent Pseudomonads Involved Suppression of Black Root Rot of Tobacco,"
			Phytopathology, 76(2):181-85 (1986)
		58	Lindgren et al., "Gene Cluster of Pseudomonas Syringae pv. "phaseolicola" Controls Pathogenicity of Bean Plants and
$\perp$			Hypersensitivity on Nonhost Plants," J. Bacteriol., 168(2):512-22 (1986)
		59	Bauer et al., "Cloning of a Gene from Erwinia Amylovora Involved in Induction of Hypersensitivity and Pathogenicity," Plant
			Pathogenic Bacteria, Proceedings of the Sixth International Conference on Plant Pathogenic Bacteria, Maryland, pp. 425-29 (1987)
4	1/	60	Wei et al., "Induction of Systemic Resistance of Cucumber to Colletotrichum orbiculare by Select Strains of Plant
AR			Growth-Promoting Rhizobacteria," Phytopathology, 81:1508-12 (1991)
		61_	Wei et al., "Induction of Systemic Resistance with Seed Treatment by PGPR Strains," pgs. 191-194
			1
EXAMI	NER		Me Hado
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	(use several sheets if necessary)	FILING DATE	GROUP ART UNIT
	(PTO-1449)	Herewith	To Be Assigned

		т—	
1		62	Weller, D.M., "Biological Control of Soilborne Plant Pathogens in the Rhizosphere with Bacteria," Ann. Rev. Phytopathol.,
110	10		26:379-407 (1988)
۱ ۱		63	Young et al., "PGPR: Is There a Relationship Between Plant Growth Regulators and the Stimulation of Plant Growth or
			Biological Activity?," pgs. 182-186
		64	Wei et al., "Induced Systemic Resistance by Select Plant Growth-Promoting Rhizobacteria Against Bacterial Wilt of
			Cucumber and the Beetle Vectors," Phytopathology, 86:1154, Abstract No. 313 (1995)
		65	Wieringa-Brants et al., "Induced Resistance in Hypersensitive Tobacco Against Tobacco Mosaic Virus by Injection of
			Intercellular Fluid from Tobacco Plants with Systemic Acquired Resistance, Phytopathology, 118:165-70 (1987)
	^ \	66	Malamy et al., "Salicylic Acid: A Likely Endogenous Signal in the Resistance Response of Tobacco to Viral Infection,"
	KA		<u>Science</u> , 250:1002-04 (1990)
		67_	Dean et al., "Immunisation Against Disease: The Plant Fights Back." pgs. 383-411
9	Nov	68	Cameron et al., "Biologically Induced Systemic Acquired Resistance in Arabidopsis thaliana," The Plant Journal,
	Kr		5(5):715-25 (1994)
	1	69	Laby et al., "Structural and Functional Analysis of Erwinia amylovora Harpin, An Elicitor of the Plant Hypersensitive
	<u> </u>		Response," Phytopathology, 84:345 (1994)
		<b>70</b>	Van Gijsegem et al., "Evolutionary Conservation of Pathogenicity Determinants Among Plant and Animal
			Pathogenic Bacteria," Trends Micorbiol., 1:175-80 (1993)
		71	Kamoun, et al., "Extracellular Protein Elicitors from Phytophthora: Host-Specificity and Induction of Resistance to Bacterial and
	·		Fungal Phytopathogens," Molecular Plant-Microbe Interactions, 6(1):15-25 (1993)
		72	Baillieul, et al., "A New Elicitor of the Hypersensitive Response in Tobacco: A Fungal Glycoprotein Elicits Cell Death, Expression of
			Defense Genes, Production of Salicylic Acid, and Induction of Systemic Acquired Resistance," The Plant Journal, 8(4):551-60 (1995)
		73	Collinge et al., "Plant Gene Expression in Response to Pathogens," Plant Molecular Biology, 9:389-410 (1987)
		74	Shatzman et al., "Expression, Identification, and Characterization of Recombinant Gene Products in Escherichia coli,"
			Methods in Enzymology, 152:661-73 (1987)
4	211	75	Tenhaken, et al., "Function of the Oxidative Burst in Hypersensitive Disease Resistance," Proc. Natl. Acad. Sci. USA,
A	<b>K</b> 14		92:4158-63 (1995)
	4	76	Bonnet, et al., "Induction de nécroses foliaires, de protéines b et de résistance dans les interactions tabac Phytophthora," Agronomie,
. ,	· L.		6(9):829-37 (1986)
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	(PTO-1449)	Herewith	To Be Assigned	

/.		77	Gallitelli, et al., "Satellite-Mediated Protection of Tomato Against Cucumber Mosaic Virus: II. Field Test Under Natural Epidemic					
Ahl			Conditions in Southern Italy," Plant Disease, 75(1):93-5 (1991)					
,		78	Kang et al., "Control of Tomato Mosaic Disease by Interference of an Attenuated Virus," Res. Rept. RDA (Hort.),					
- //			27(1):17-26 (1985)					
$\sqcap$		79	Montasser, et al., "Satellite-Mediated Protection of Tomato Against Cucumber Mosaic Virus: I. Greenhouse Experiments and					
			Simulated Epidemic Conditions in the Field," Plant Disease, 75(1):86-92 (1991)					
		80	Marks, R.J., "Varietal Resistance to Potato Cyst Nematode," Agricultural Entomology, pp. 63-67 (1979)					
+		81	Walton, et al., "Host-Selective Toxins and Disease Specificity: Perspectives and Progress," Annu. Rev. Phytopathol.,					
\			31:275-303 (1993)					
		82	Atkinson, M.M., "Molecular Mechanisms of Pathogen Recognition by Plants," Advances in Plant Pathology, 10:36-64 (1993)					
$\dashv$		83	Godiard, et al., "Differential Regulation in Tobacco Cell Suspensions of Genes Involved in Plant-Bacteria Interactions by Pathogen-					
			Related Signals," Plant Molecular Biology, 17:409-13 (1991)					
		84	Ricci, et al., "Structure and Activity of Proteins from Pathogenic Fungi Phytophthora Eliciting Necrosis and Acquired Resistance					
Ш			in Tobacco," Eur. J. Biochem., 183:555-63 (1989)					
20	,	85	Lakhmatova, I.T., "Induction of Plant Resistance to Viral Diseases: Application of Vaccination," Sel'skokhozyaistvennaya Biologiya,					
774	·		Biologiya 3:39-51 (1991)					
$\neg \neg$		86	Biologicheskii Zhurnal Armenii, 31(3):305-09 (1978)					
	1.1	87	Lakhmatova, I.T., "Using Biologically Active Substances to Induced Plant Resistance to Viruses Immunization,"					
Ha	L		Sel'skokhozyaistvennaya Biologiya, 3:13-22 (1992)					
		88	Shields, R., "Towards Insect-Resistant Plants," Nature, 328:12-13 (1987)					
$\parallel$		89	Huang et al., "Molecular Cloning of a Pseudomonas syringae pv. syringae Gene Cluster That Enables Pseudomonas fluorescens					
Ш			To Elicit the Hypersensitive Response in Tobacco Plants," J. Bacteriol., 170(10):4748-56 (1988)					
71		90	Ricci, et al., "Differential Production of Parasiticein, an Elicitor of Necrosis and Resistance in Tobacco, by Isolates of Phytophthora					
			parasitica," Plant Pathology, 41:298-307 (1992)					
V	0 1/2	-9:1	Honée, et al., "Molecular Characterization of the Interaction Between the Fungal Pathogen Cladosporium fulvum and Tomato,"					
/ Y /	4		Advances in Molecular Genetics of Plant-Microbe Interactions, 3:199-206 (1994)					
XAMIN	NER	1 11	MON A DATE CONSIDERED 4/33/03					
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		Zhong-Min Wei		
	(use several sheets if necessary)	FILING DATE		GROUP ART UNIT
	(PTO-1449)	Herewith		To Be Assigned

	92	Keller, et al., "Responses of Tobacco to Elicitins, Proteins From Phytophthora Spp. Eliciting Acquired Resistance,"
F		Advances in Molecular Genetics of Plant-Microbe Interactions, 3:327-32 (1994)
/	93	Keen, et al., "Bacteria Expressing Avirulence Gene D Produce a Specific Elicitor of the Soybean Hypersensitive Reaction,"
·		Molecular Plant-Microbe Interactions, 3(2):112-21 (1990)
	94	Bauer, et al., "Erwinia chrysanthemi hrp Genes and Their Involvement in Soft Rot Pathogenesis and Elicitation of the Hypersensitive
		Response," MPMI, 7(5):573-81 (1994)
	95	Schottens-Toma et al., "Purification and Primary Structure of a Necrosis-inducing Peptide from the Apoplastic Fluids of Tomato
		Infected with Cladosporium fulvum (syn. Fulvia fulva)," Physiological and Molecular Plant Pathology, 33:59-67 (1988)
	96	Steinberger et al., "Creation and Complementation of Pathogenicity Mutants of Erwinia amylovora," Molecular Plant-Microbe
		<u>Interactions</u> , 1(3):135-44 (1988)
	97	Beer et al., "The Hypersensitive Response is Elicited by Escherichia coli Containing a Cluster of Pathogenicity Genes
		from Erwinia amylovora," Phytopathology, 79(10):1156 (Abstract 169) (1989)
	98	Hiatt et al., "Production of Antibodies in Transgenic Plants," Nature, 342:76-8 (1989)
	99	Hippe et al., "In Situ Localization of a Foreign Protein in Transgenic Plants by Immunoelectron Microscopy Following High Pressure
		Freezing. Freeze Substitution and Low Temperature Embedding," European Journal of Cell Biology, 50:230-34(1989)
	100	Huang et al., "Isolation and Purification of a Factor from Pseudomonas solanacearum That Induces a Hypersensitive-like
		Response in Potato Cells," Molecular Plant-Microbe Interactions, 2(3):132-38 (1989)
	101	James et al., "Genetic Transformation of Apple (Malus pumila Mill.) Using a Disarmed Ti-binary Vector," Plant Cell Reports,
		7:658-61 (1989)
	102	Laby et al., "Cloning and Preliminary Characterization of an hrp Gene Cluster of Erwinia amylovora," Phytopathology,
		79(10):1211 (Abstract 607) (1989)
	103	Dow et al., "Extracellular Proteases from Xanthomonas campestris pv. Campestris, the Black Rot Pathogen," Applied and
		Environmental Microbiology, 56(10):2994-98 (1990)
	104	Walters et al., "Gene for Pathogenicity and Ability to Cause the Hypersensitive Reaction Cloned from Erwinia amylovora,"
		Physiological and Molecular Plant Pathology, 36:509-21 (1990)
	105	Wu et al., "Cloning, Genetic Organization, and Characterization of a Structural Gene Encoding Bacillopeptidase F from
		Bacillus subtilis," The Journal of Biological Chemistry, 265(12):6845-50 (1990)
101	106	Bauer et al., "Further Characterization of an hrp Gene Cluster of Erwinia amylovora," Molecular Plant-Microbe Interactions,
PK L		4(5):493-99 (1991)
KAMINEI	R	MULA STORY DATE CONSIDERED 4/201/03
		if citation considered, whether or not citation is in conformance with MPEP 6 9; Draw line through citation if not in conformance and not opy of this form with next communication to applicant.

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	Zhong-Min Wei	
(use several sheets if necessary)	FILING DATE	GROUP ART UNIT
(PTO-1449)	Herewith	To Be Assigned

	107	Beer et al., "The hrp Gene Cluster of Erwinia amylovora," Advances in Molecular Genetics of Plant-Microbe Interactions,
The state of the s		1:53-60 (1991)
	108	Benvenuto et al., "Phytoantibodies': A General Vector for the Expression of Immunoglobulin Domains in Transgenic Plants,"
		Plant Molecular Biology, 17:865-74 (1991)
1	109	Milat et al., "Physiological and Structural Changes in Tobacco Leaves Treated with Cryptogein, a Proteinaceous Elicitor
		from Phytophthora cryptogea," Phytopathology, 81(11):1364-68 (1991)
	110	Ruberti et al., "A Novel Class of Plant Proteins Containing a Homeodomain with a Closely Linked Leucine Zipper Motif,"
		<u>The EMBO Journal</u> , 10(7):1787-91 (1991)
	111	Quigley et al., "Nucleotide Sequence and Expression of a Novel Glycine-Rich Protein Gene from Arabidopsis thaliana,"
		Plant Molecular Biology, 17:949-52 (1991)
	112	van Kan et al., "Cloning and Characterization of cDNA of Avirulence Gene avr9 of the Fungal Pathogen Cladosporium
	ļ	fulvum, Causal Agent of Tomato Leaf Mold," Molecular Plant-Microbe Interactions, 4(1):52-9 (1991)
	113	Waldmann, T.A., "Monoclonal Antibodies in Diagnosis and Therapy," Science, 252:1657-62 (1991)
	114	Willis et al., "hrp Genes of Phytopathogenic Bacteria," Molecular Plant-Microbe Interactions, 4:(2) 132-38 (1991)
	115	Beer et al., "Are Harpins Universal Elicitors of the Hypersensitive Response of Phytopathogenic Bacteria?,"
		Advances in Molecular Genetics of Plant-Microbe Interactions, 2:281-86 (1992)
	116	Laby et al., "Hybridization and Functional Complementation of the hrp Gene Cluster from Erwinia amylovora Strain Ea321
		with DNA of Other Bacteria," Molecular Plant-Microbe Interactions, 5(5):412-19 (1992)
$\parallel \parallel \parallel$	117	Sandhu, "Protein Engineering of Antibodies," Crit. Rev. in Biotech., 12(5/6):437-62 (1992)
	118	He et al., "Pseudomonas syringae pv. syringae Harpin <sub>Pss</sub> : A Protein that is Secreted via the Hrp Pathway and Elicits the Hypersensitive
		Response in Plants," <u>Cell</u> , 73:1255-66 (1993)
	119	Bonas, U., "Bacterial Home Goal by Harpins," <u>Trends in Microbiology</u> , 2:1-2 (1994)
	120	Boccara, et al., "Plant Defense Elicitor Protein Produced by Erwinia chrysanthemi," Mechanisms of Plant Defense Responses,
1/4	_	pg. 166 (1993)
AMINER	6/1	Multiple Date Considered 4/23/23
AMINER:	Initial i	f citation considered, whether or not citation is in conformance with MPEP 6 9; Draw line through citation if not in conformance and not

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
ARK	<sup>2</sup> 121	5,708,139	01/13/98	Collmer et al.			
ARX	122	5,650,387	07/22/97	Wei et al.			
						,	

#### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI ON IF APPRO- PRIATE
A-PC 123	WO 96/39802	12/19/96	PCT	_		9

$\mathcal{A}$	4	124	Zhong-Min Wei, "Treatment of Tomato Seed with Harpin Enhances Germination and Growth and Induces Resistance to		
172	K		Ralstonia solanacearum," Phytopathology, 87:6, S80 (1997)		
1	125 Ricci et al., "Proteinaceous Elicitors of Plant Defense Responses," B. Fritig eds., Mechanisms of Plant Defense Responses,				
			Netherlands, pp. 121-130 (1993).		
		126	Keen et al., "Syringolide Elicitors Specified By Avirulence Gene D Alleles In Pseudomonas syringae," Advances in		
			Molecular Genetics of Plant-Microbe Interactions, 3:41-48 (1994).		
		127	Bogdanove et al., "Unified Nomenclature For Broadly Conserved hrp Genes of Phytopathogenic Bacteria," Molecular		
			Microbiology, 20(3):681-683 (1996).		
		128	Bonnet et al., "Acquired Resistance Triggered By Elicitins In Tobacco and Other Plants," European Journal of Plant		
			Pathology, 102:181-192 (1996).		
		129	Cui et al., "The RsmA Mutants of Erwinia carotovora subsp. carotovora Strain Ecc71 Overexpress hrpN <sub>Ecc</sub> and Elicit a		
,			Hypersensitive Reaction-like Response in Tobacco Leaves," Molecular Plant-Microbe Interactions, 9(7):565-573 (1996).		
4	1/	130	Gopalan et al., "Bacterial Genes Involved in the Elicitation of Hypersensitive Response and Pathogenesis," Plant Disease,		
	- Company of the Comp		80(6):604-610 (1996).		
ЕХАМП	EXAMINER DATE CONSIDERED 4/23/27				
	EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 6 9; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				
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ASX	- 131	5,850,015	12/15/98	Bauer et al.			
ARK	132	6,001,959	12/14/99	Bauer et al.			

#### FOREIGN PATENT DOCUMENTS

1		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI ON IF APPRO- PBLATE
MLK	- 133	WO 99/07206	02/18/99	WIPO			2 -
	134	WO 99/07207	02/18/99	WIPO			
	135	WO 98/54214	12/03/98	WIPO			
ARY	136	WO 98/37752	09/03/1998	WIPO			- 1 -

	$\overline{}$	$\overline{-}$								
1	'	137	Hoffland et al., "Comparison of Systemic Resistance Induced by Avirulent and Nonpathogenic Pseudomonas Species,"							
20 R	10		Phytopathology, 86(7):757-762 (1996).							
(		138	tyals et al., "Systemic Acquired Resistance," The Plant Cell, 8:1809-1819 (1996).							
	'	<u> </u>								
/	'	139	Wei et al., "Induced Systemic Resistance to Cucumber Dieseases and Increased Plant Growth by Plant Growth-Promoting							
	<u> </u>	<u> </u>	Rhizobacteria Under Field Conditions," Phytopathology, 86:221-224 (1996).							
	1 '	140	Inbar et al., "Elicitors of Plant Defensive Systems Reduce Insect Densities and Disease Incidence," <u>Journal of Chemical</u>							
	'	<u> </u>	Ecology, 24(1):135-149 (1998).							
		141	Jin et al., "A Truncated Fragment of Harpin <sub>Pss</sub> Induces Systemic Resistance To Xanthomonas campetris pv. oryzae							
			In Rice," Physiological and Molecular Plant Pathology, 51:243-257 (1997).							
	<sub>1</sub> 1	142	Alfano et al., "Analysis of the Role of the Pseudomonas Syringae pv. Syringae HrpZ Harpin in Elicitation of the Hypersensitive							
			Response in Tobacco Using Functionally Non-Polar hrpZ Deletion Mutations, Truncated HrpZ Fragments, and hrmA Mutations,"							
	, ,		Molecular Microbiology, 19:715-728 (1996)							
A	01/	143	Linthorst et al., "Constitutive Expression of Pathogenesis-Related Proteins PR-1, GRP, and PR-S in Tobacco Has No Effect on							
	SK-		Virus Infection," The Plant Cell, 1:285-291 (1989)							
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Max	-147	WO 93/23532	11/25/93	WIPO		1			
1	148	EP 0 612 848 A3	08/31/94	Europe					

		149	Lorang et al., "Characterization of avrE from Pseudomonas syringae pv. Tomato: A hrp-Linked Avirulence Locus Consisting					
XI D	K		Of at Least Two Transcriptional Units," MPMI 8:49-57 (1995)					
	ſ	150 Malamy et al., Salicylic Acid and Plant Disease Resistance," The Plant Journal, 2:643-654 (1992)						
			·					
		151	McGurl et al., "Structure, Expression, and Antisense Inhibition of the Systemin Precursor Gene," Science, 255:1570-1573					
			(1992)					
		152	Schulte et al., Expression of the Xanthomonas campestris pv. Vesicatoria hrp Gene Cluster, Which Determines Pathogenicity					
			and Hypersensitivity on Pepper and Tomato, Is Plant Inducible," <u>Journal of Bacteriology</u> , 174:815-823 (1992)					
		153	Wu et al., "Disease Resistance Conferred by Expression of a Gene Encoding H <sub>2</sub> O <sub>2</sub> -Generating Glucose Oxidase in Transgenic					
			Potato Plants," The Plant Cell, 7:1357-1368 (1995)					
		154	Yu, "Elicitins from Phytophthora and Basic Resistance in Tobacco," Proc. Natl. Acad. Sci. USA, 92:4088-4094 (1995)					
		155	Nissinen et al., "Clavibacter Michiganensis Subsp. Sepedonicus Elicits a Hypersensitive Response in Tobacco and Secretes					
			Hypersensitive Response-Inducing Protein," Phytopathology, 87:678-684 (1997) (Abstract only)					
1	V	156	Burr et al., "Increased Potato Yields by Treatment of Seedpieces with Specific Strains of Pseudomonas fluorescents and P. putida,"					
M			Phytopathology 68:1377-1383 (1978)					
EXAMINER DATE CONSIDERED 4/23/5								
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		ОТІ	HER DOC	UMENTS (includ	ding Author, Title, Date, Pertinent	Pages, Et	tc.)			
A. A	157	Wei et al, "Harpir	n, Elicitor c	of the Hypersensiti	ive Response Produced by the Plant I	Pathogen	Erwinia	amylovora,"		
164K	┦ _	Science 257:85-88			-				,ee.	
	158	Wengelink et al.,	"Expressio	n and Localization	n of HrpA1, a Protein of Xanthomono	as campes	stris pv.	vesicatoria Essent	ial for	
			thogenicity and Induction of the Hypersensitive Reaction," J. Bacteriology 178:1061-1069 (1996)							
	159		'The Salicylic Acid Signal in Plants," Plant Molecular Biology 26:1439-1458 (1994)							
1				<u></u>			<u> </u>			
	160	Kloepper et al., "I	Enhanced P	lant Growth by Si	derophores Produced by Plant Grow	vth-Promo	ting Rhi	izobacteria,"	<del></del>	
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